

Amended Claim Listing

This following listing of the claims will replace all prior versions, and listings, of claims in the application. The claims are marked as (original), (currently amended), (canceled), (withdrawn), (previously presented), (new), or (not entered) as appropriate. Please amend the Application as follows:

1. (currently amended) An electronic musical performance instrument comprising:

a musical instrument input interface manipulatable by a human operator integral with;

electronic circuitry for monitoring the input keys for input by the human operator; and

integral with a central processing unit running a ~~a~~
general purpose computer operating system capable of running alternative sound synthesis software packages to generate sound signals from the input from the human operator's manipulation input to the musical instrument interface.
2. (currently amended) The musical instrument of claim 1 wherein the ~~[central processing unit runs a personal]~~
computer operating system is a personal computer operating system and is capable of running alternative sound synthesis software packages.
3. (currently amended) The musical instrument of claim 2 wherein ~~the boot code~~ the general purpose computer operating system for the central processing unit is stored in nonvolatile solid state memory and portions

of the operating system are stored in another memory storage location.

4. (previously presented) The musical instrument of claim 3 wherein the nonvolatile solid state memory is flash memory.
5. (previously presented) The musical instrument of claim 3 wherein the nonvolatile solid state memory is a RAM drive.
6. (previously presented) The musical instrument of claim 1 wherein the musical instrument includes a UPS which supplies power for the operation of the instrument when mains power is lost and which stores power collected when mains power is connected.
7. (currently amended) The musical instrument of claim 1 wherein the human manipulatable interface includes at least two interface surfaces and at least one of the interface surfaces is modular and can be removed or swapped with another modular human manipulatable interface surface with a different interface configuration.
8. (previously presented) The musical instrument of claim 7 wherein the modular surface includes a display.
9. (currently amended) The musical instrument of claim 8 wherein the modular surface includes mechanical user interfaces ~~[such as keys, knobs and or sliders]~~.

RESPONSE

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10. (previously presented) The musical instrument of claim 7 which includes a mechanical user interface with a single input control that can detect joystick-like x and y coordinate input and encoder wheel rotational input and pushbutton-like key input.
11. (previously presented) The musical instrument of claim 7 wherein one of the modular surfaces includes an array of keys.
12. (previously presented) The musical instrument of claim 7 wherein one of the modular surfaces includes an array of rotating knobs.
13. (previously presented) The musical instrument of claim 12 wherein one of the modular surfaces includes an array of sliders.
14. (previously presented) The musical instrument of claim 7 wherein one of the modular surfaces includes a combination of keys, sliders and/or knobs.
15. (previously presented) The musical instrument of claim 1 which includes a removable input and output module.
16. (currently amended) The musical instrument of claim 15 wherein the removable input output module can be mounted in a rack. ~~mounted in an industry standard electronic rack].~~